

T B y P # s	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	B11 Johnson\$.in. and R13 379/\$.ccls. S10	USPAT ; EPO; JPO; Derwe nt	200 0/0 7/0 7 11: 16			0
2	(telephone or 3 phone) with B11 (bill\$ or R22 statement\$ or S4 invoice\$)	USPAT ; EPO; JPO; Derwe nt	200 0/0 7/0 7 11: 22		Tr un ca ti on Ov er fl ow . Re tu rn st ri ng fr om Se	1

	Tit y p#s	Search Text	DBs	Time Sta mp	Com men ts	Err or Def ini tio n	Errors
3	B R S 4 8 3 0 6 6	(transaction\$ or record\$1)	USPAT ; EPO; JPO; Derwe nt	200 0/0 7/0 7 11: 26		0	
4	B R S 8 1 2 42	same 3	USPAT ; EPO; JPO; Derwe nt	200 0/0 7/0 7 11: 30		0	
5	B R S 19 51 379/114.ccls.	4 and	USPAT ; EPO; JPO; Derwe nt	200 0/0 7/0 7 11: 31		0	

DOCUMENT-IDENTIFIER: US 5506893 A  
TITLE: Telecommunication network arrangement for  
providing real time access to  
call records

DEPR:

In addition, the originating toll switch forms a conventional call record to track the progress of the call and inserts information relating to the call so that a billing center may determine the cost (charges) for the call. Such information includes, inter alia, (a) calling number (i.e., ANI), (b) called number, (c) destination number, if any, and (d) starting date and time for the call. The originating toll switch also inserts the duration of the call in the call record when the call is terminated. At that time the originating toll switch forwards the call record to an associated one of billing data servers 250-1 through 250-N, which in the case of TS 105 would be billing data server 250-1. (In an illustrative embodiment of the invention, a billing data server may be, for example, the Billdats II (registered trademark of AT&T) data collector system available from AT&T.) Thereafter, the billing data server 250 forwards the call record to conventional billing center 260, which then compiles the call records that it received for a respective caller into a "telephone bill ". As mentioned above, a telephone bill is typically presented to a caller, or subscriber, on a periodic basis, e.g., monthly.

DEPR:

We address such problems by providing a mechanism which

allows a telephone customer to access a call record, in accord with an aspect of the invention, in real time. In addition, the mechanism also allows a telephone customer to access a telephone billing record during the time that an associated call is still in progress.

CCOR:  
379/114

DOCUMENT-IDENTIFIER: US 4788719 A  
TITLE: Telephone call charge allocation arrangement

BSPR:

Business customer communication systems, such as a private branch exchange, typically employ the well-known station message detail recoding (SMDR) arrangement to track the telephone calling activity at system telephone stations. For example, each time a user at a system telephone station either places or receives an outside telephone call (for example, a toll call), the SMDR arrangement creates a call record detailing the event. Call records which are created over illustratively a 30 day period are processed to generate a "telephone bill " for each system telephone station.

CCOR:

379/114